

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071006.D
 Acq On : 12 Nov 2021 01:51
 Operator : VA/SY
 Sample : VD1111SBL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:06:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

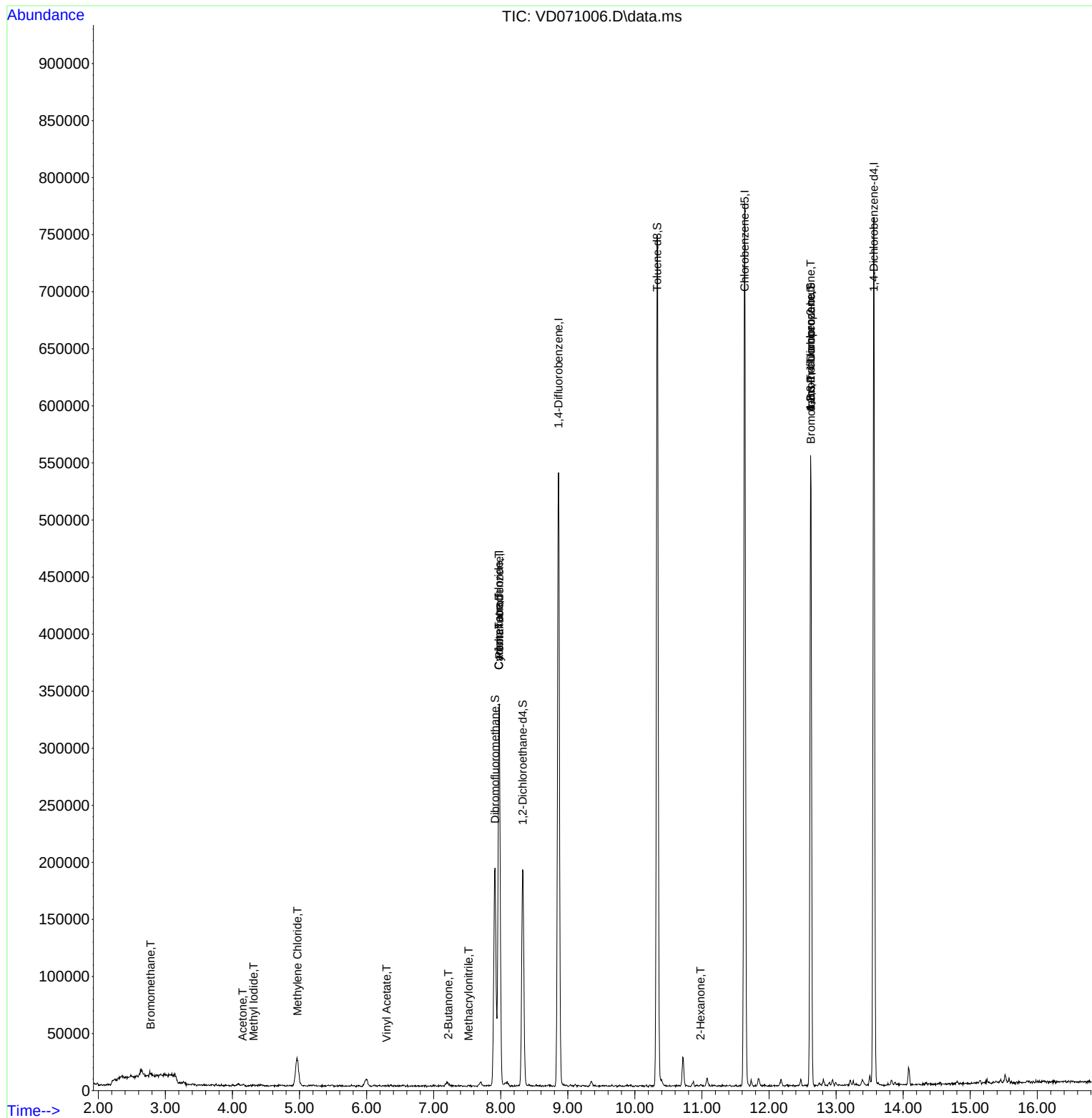
Internal Standards						
1) Pentafluorobenzene	7.979	168	242077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	451410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	414475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	180054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152846	59.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.600%
35) Dibromofluoromethane	7.914	113	136983	53.777	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.560%
50) Toluene-d8	10.332	98	499827	50.105	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.620	95	179813	50.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1661	1.030	ug/l #	51
10) Methyl Iodide	4.315	142	985	6.330	ug/l #	64
13) Acrolein	3.691	56	59	Below Cal	#	42
16) Acetone	4.150	43	883	20.964	ug/l #	83
20) Methylene Chloride	4.967	84	17630	5.640	ug/l	91
23) Vinyl Acetate	6.297	43	211	21.020	ug/l #	72
25) 2-Butanone	7.220	43	491	20.869	ug/l #	45
31) Cyclohexane	7.973	56	8391	1.583	ug/l #	42
38) Carbon Tetrachloride	7.973	117	24413	6.577	ug/l #	16
41) Methacrylonitrile	7.520	41	124	3.591	ug/l #	1
59) 2-Hexanone	10.979	43	754	16.413	ug/l #	45
71) Bromoform	12.626	173	1658	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	96480	62.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	96480	116.084	ug/l #	18

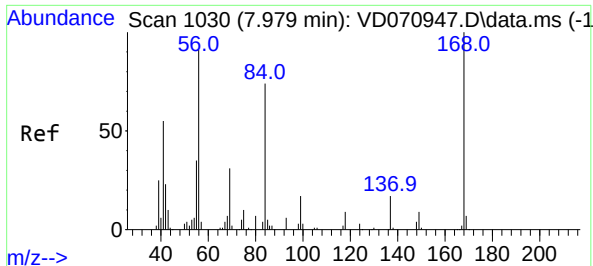
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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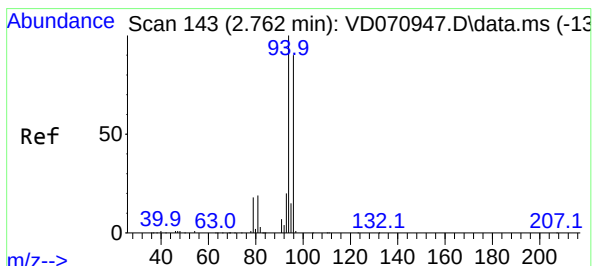
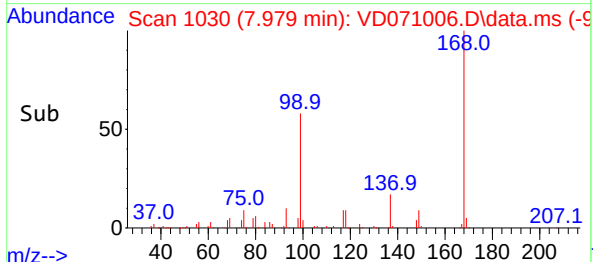
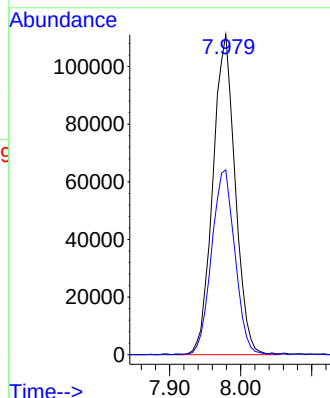
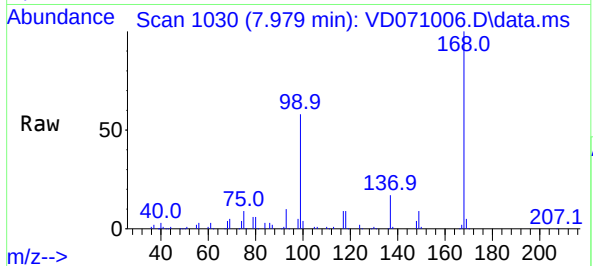




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

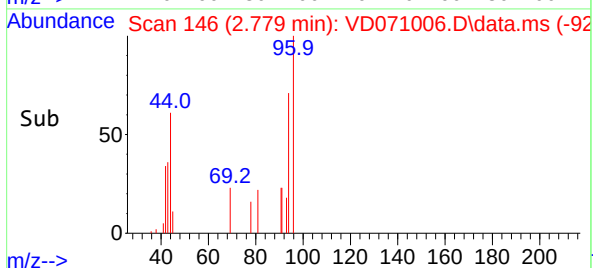
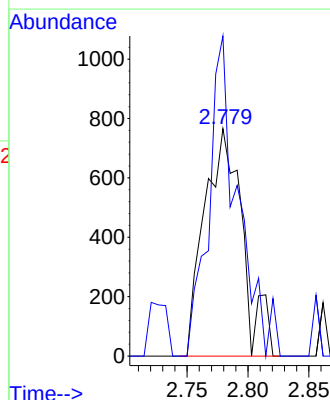
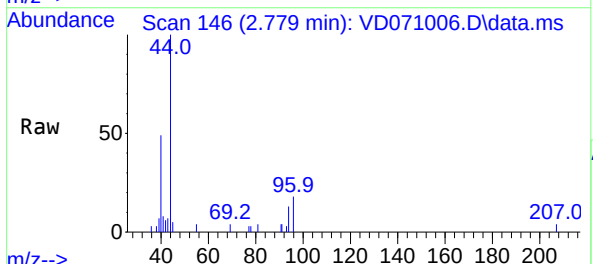
Instrument :
MSVOA_D
ClientSampleId :

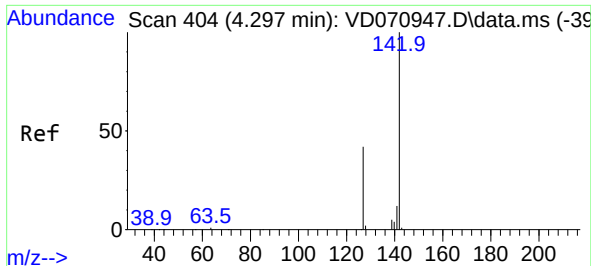
Tgt Ion:168 Resp: 242077
Ion Ratio Lower Upper
168 100
99 57.5 46.6 69.8



#5
Bromomethane
Concen: 1.030 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 94 Resp: 1661
Ion Ratio Lower Upper
94 100
96 140.7 74.8 112.2#

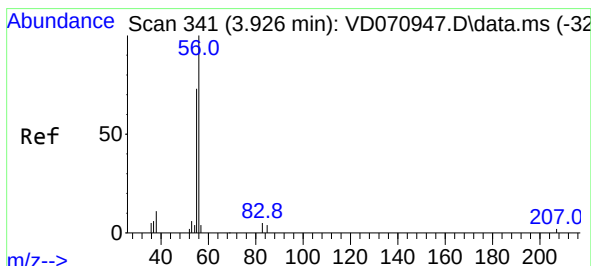
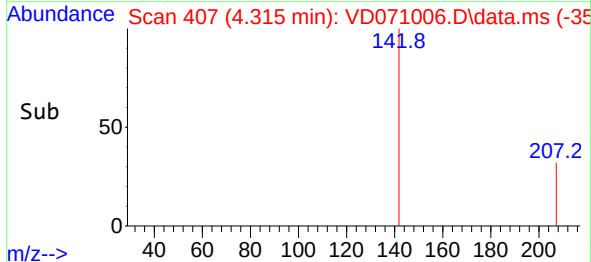
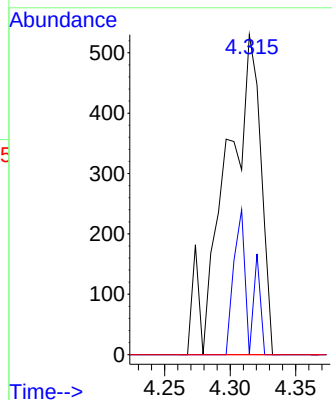
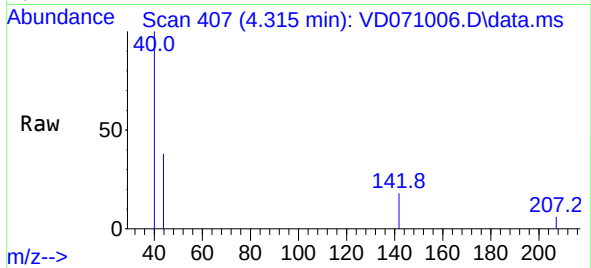




#10
Methyl Iodide
Concen: 6.330 ug/l
RT: 4.315 min Scan# 40
Delta R.T. 0.018 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

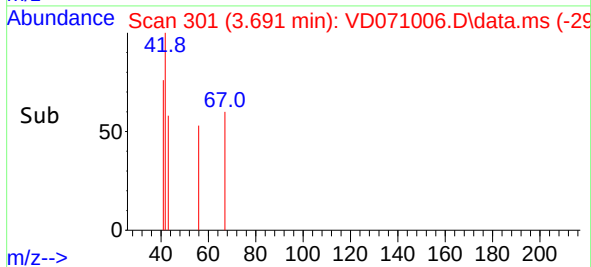
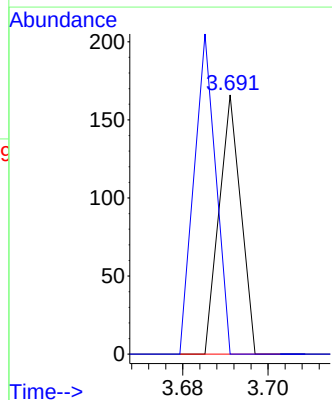
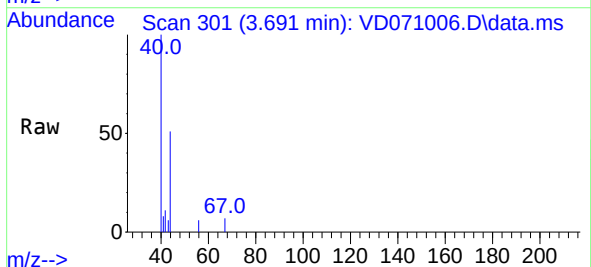
Instrument :
MSVOA_D
ClientSampleId :

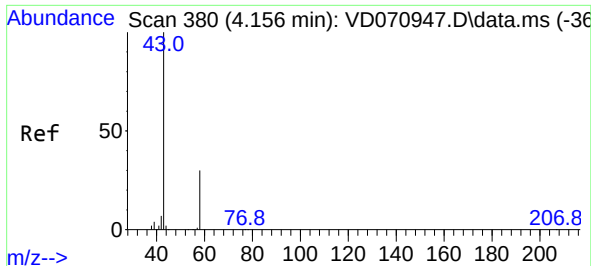
Tgt Ion:142 Resp: 985
Ion Ratio Lower Upper
142 100
127 20.2 35.0 52.4#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: Below Cal
RT: 3.691 min Scan# 301
Delta R.T. -0.235 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 122.0 58.6 87.8#

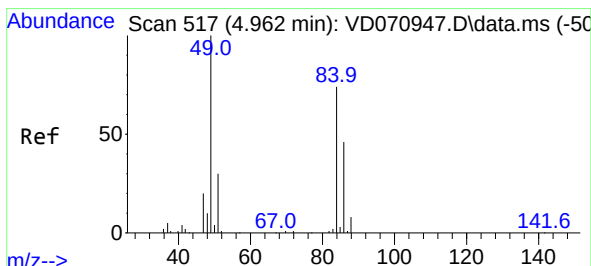
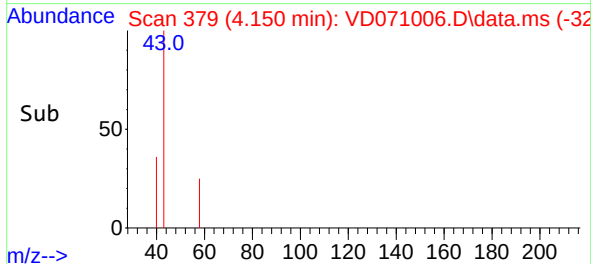
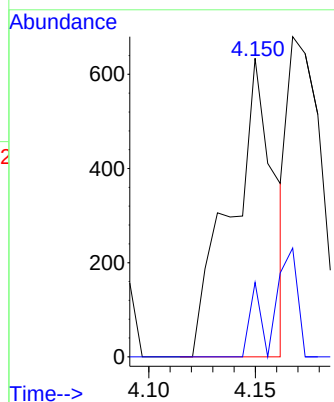
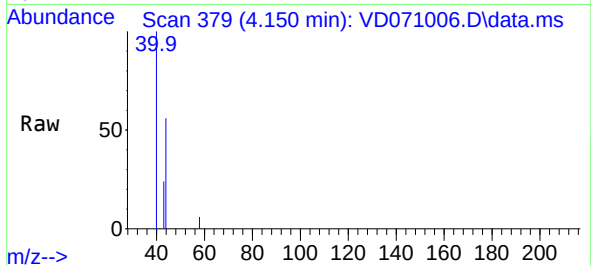




#16
Acetone
Concen: 20.964 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

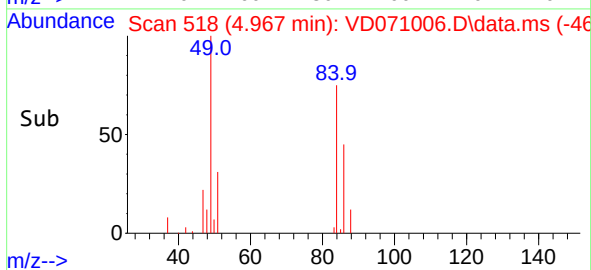
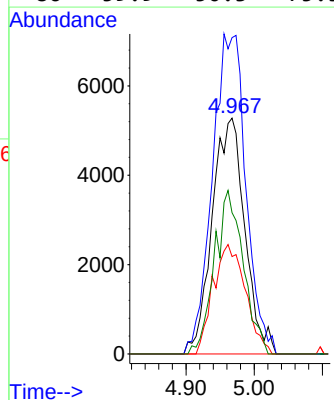
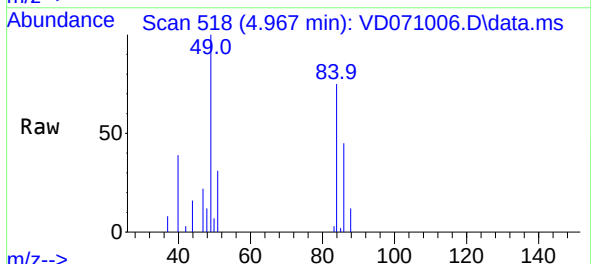
Instrument :
MSVOA_D
ClientSampleId :

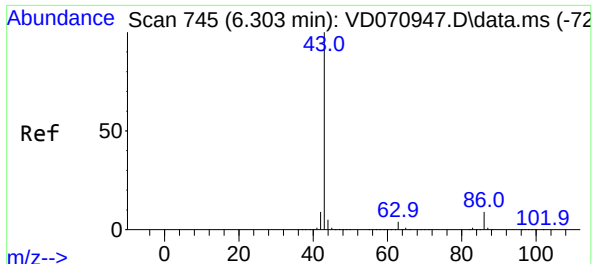
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
58 24.9 27.8 41.8#



#20
Methylene Chloride
Concen: 5.640 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

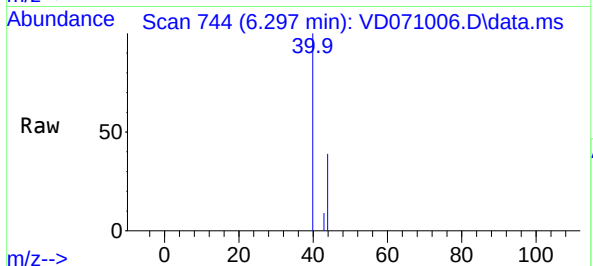
Tgt Ion: 84 Resp: 17630
Ion Ratio Lower Upper
84 100
49 134.1 95.8 143.6
51 41.3 30.9 46.3
86 59.9 50.3 75.5



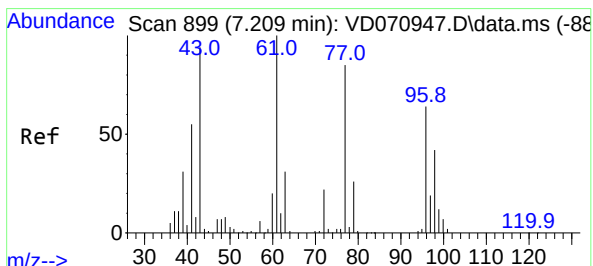
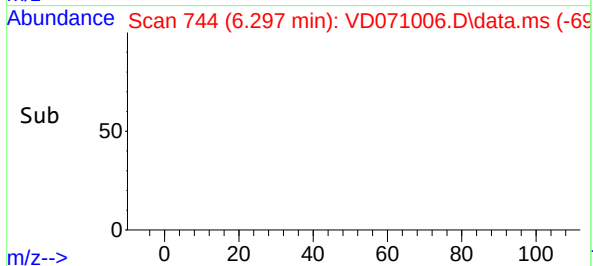
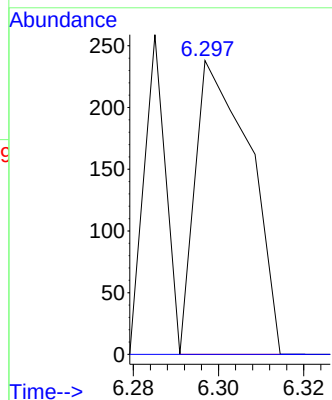


#23
 Vinyl Acetate
 Concen: 21.020 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD071006.D
 Acq: 12 Nov 2021 01:51

Instrument :
 MSVOA_D
 ClientSampleId :

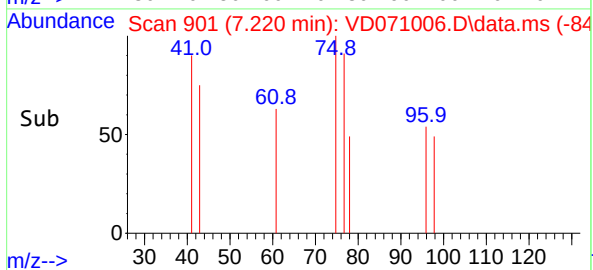
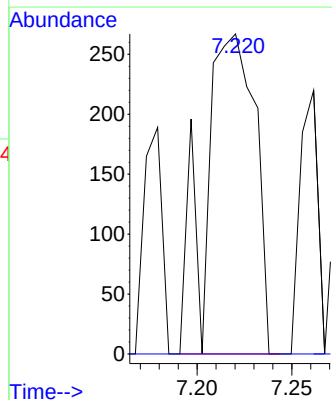
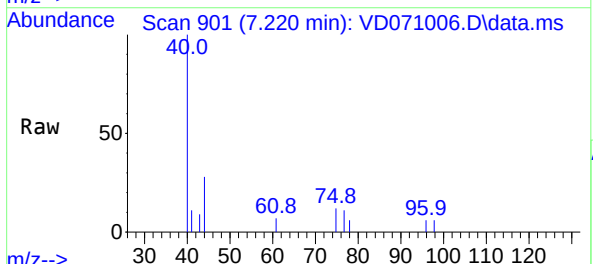


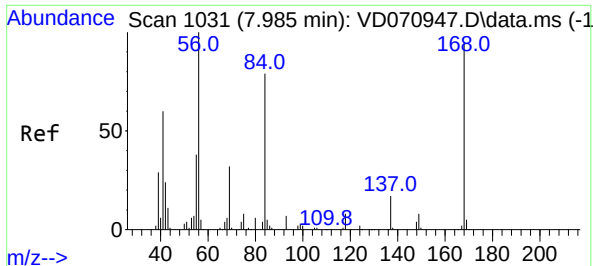
Tgt Ion: 43 Resp: 211
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.869 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.011 min
 Lab File: VD071006.D
 Acq: 12 Nov 2021 01:51

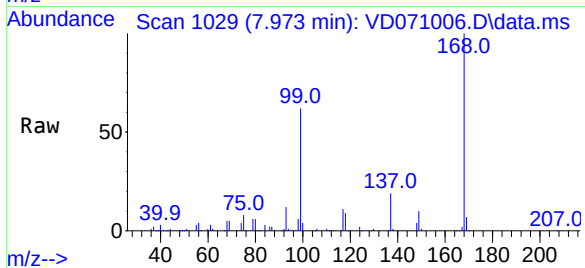
Tgt Ion: 43 Resp: 491
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



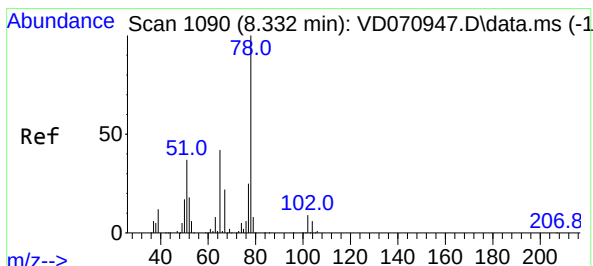
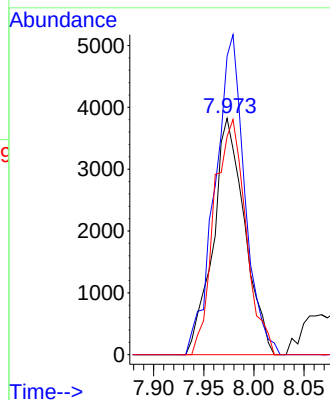
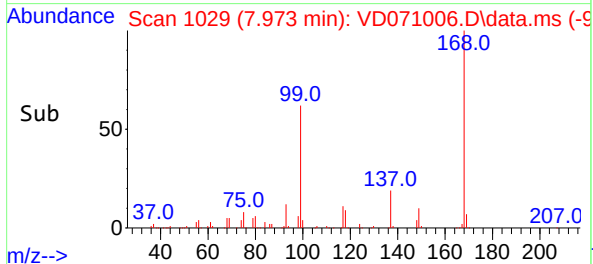


#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Instrument :
MSVOA_D
ClientSampleId :

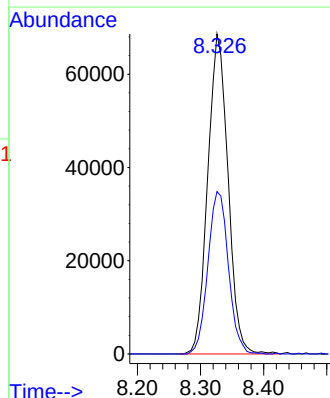
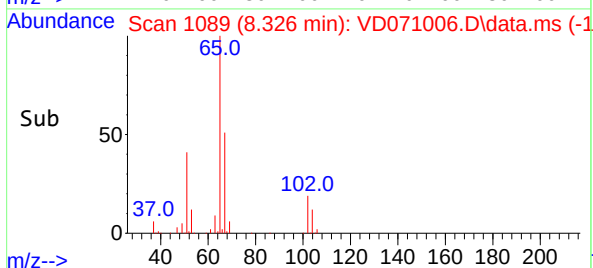
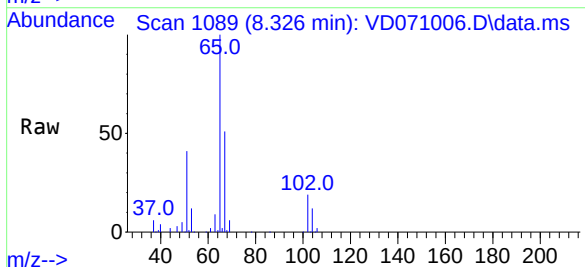


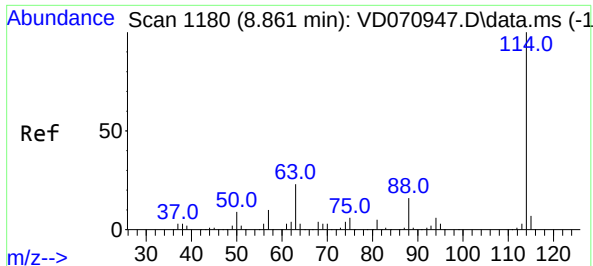
Tgt Ion: 56 Resp: 8391
Ion Ratio Lower Upper
56 100
69 126.2 25.9 38.9#
84 92.3 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 59.302 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 65 Resp: 152846
Ion Ratio Lower Upper
65 100
67 51.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071006.D

Acq: 12 Nov 2021 01:51

Instrument :

MSVOA_D

ClientSampleId :

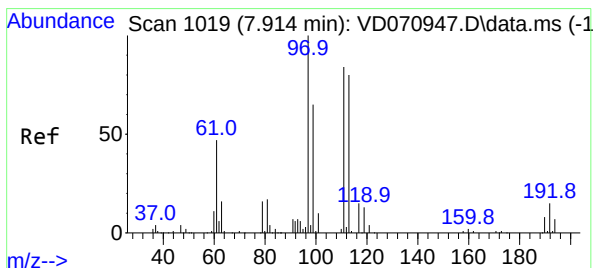
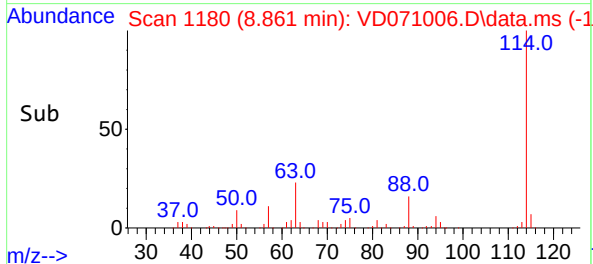
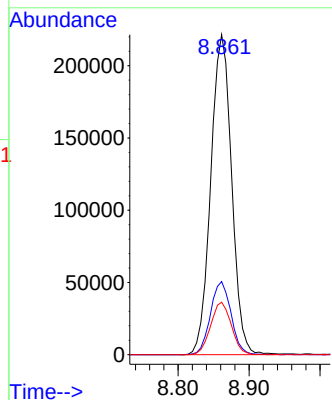
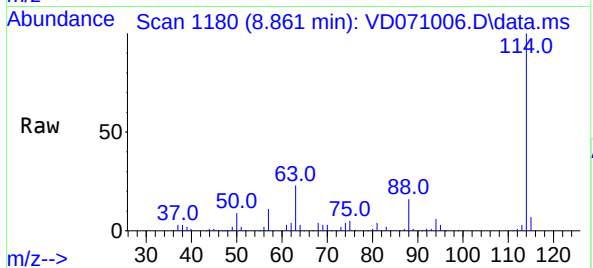
Tgt Ion:114 Resp: 451410

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.777 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071006.D

Acq: 12 Nov 2021 01:51

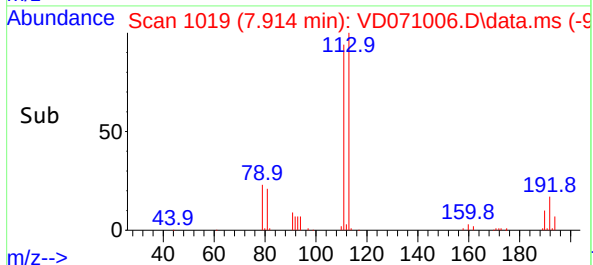
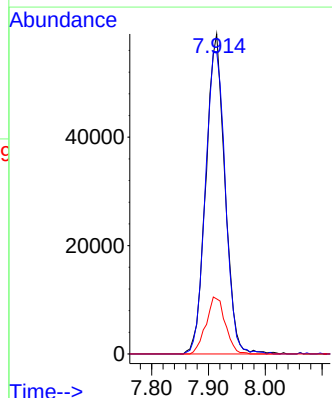
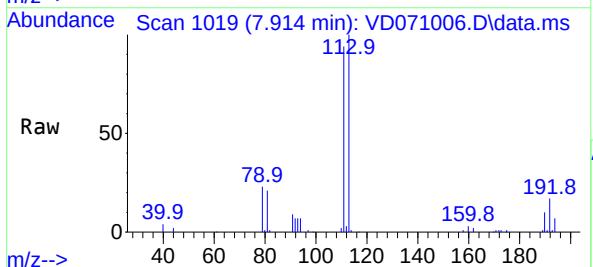
Tgt Ion:113 Resp: 136983

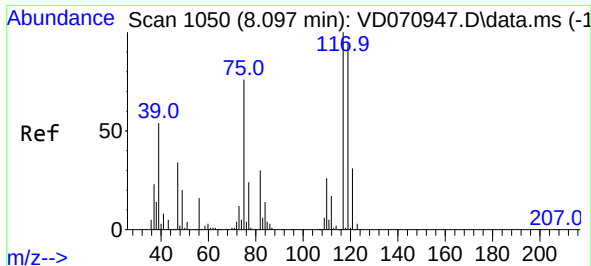
Ion Ratio Lower Upper

113 100

111 99.2 82.0 123.0

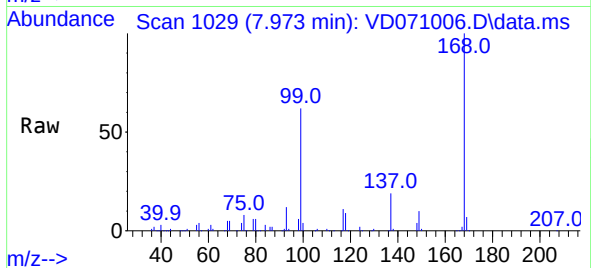
192 18.0 15.2 22.8



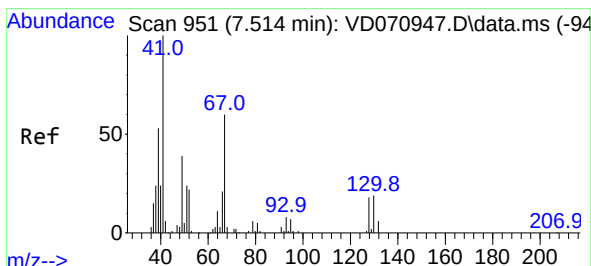
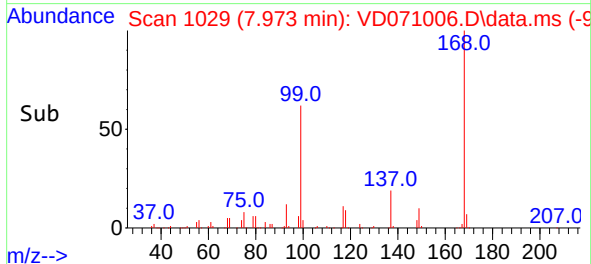
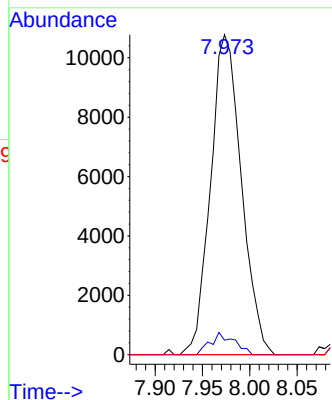


#38
Carbon Tetrachloride
Concen: 6.577 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Instrument :
MSVOA_D
ClientSampleId :

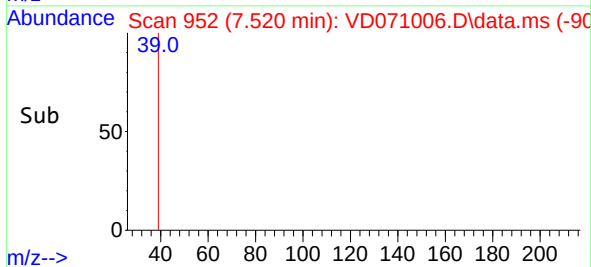
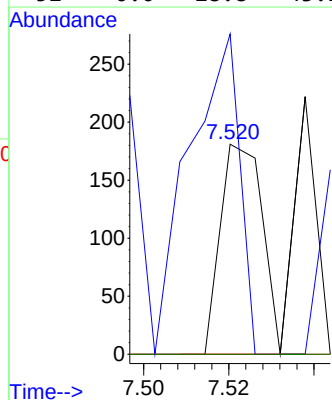
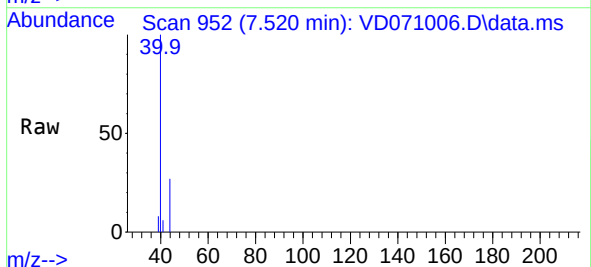


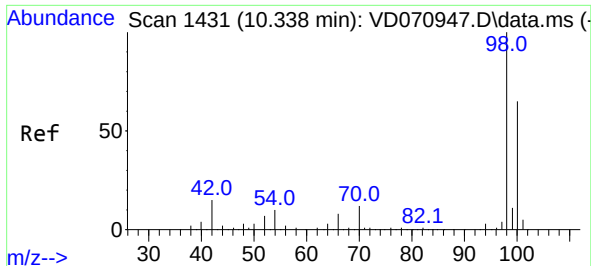
Tgt Ion:117 Resp: 24413
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 3.591 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 41 Resp: 124
Ion Ratio Lower Upper
41 100
39 183.1 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

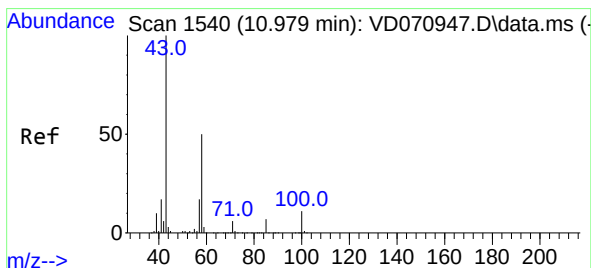
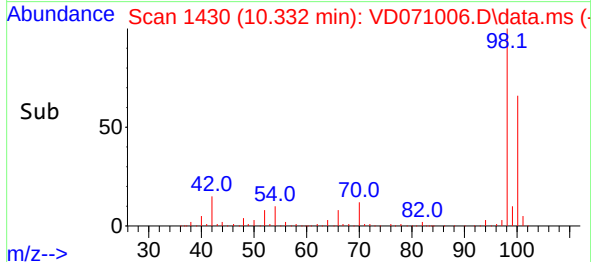
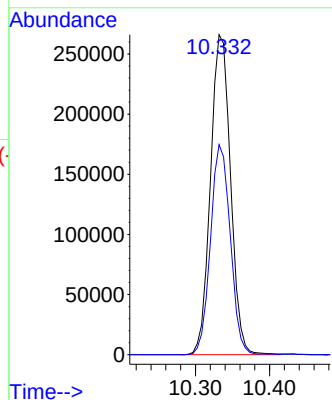
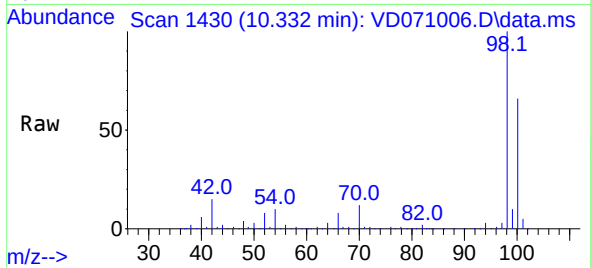




#50
Toluene-d8
Concen: 50.105 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

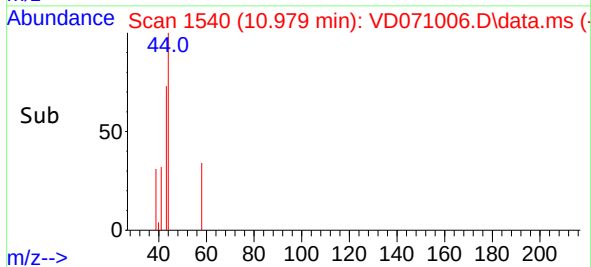
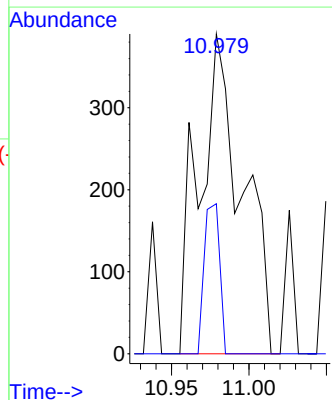
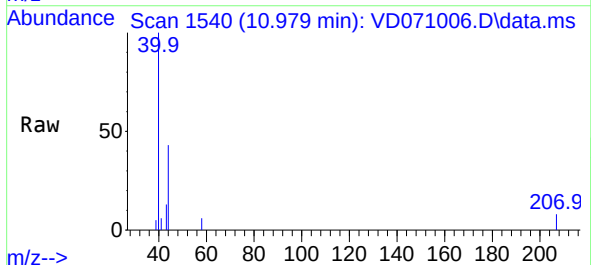
Instrument :
MSVOA_D
ClientSampleId :

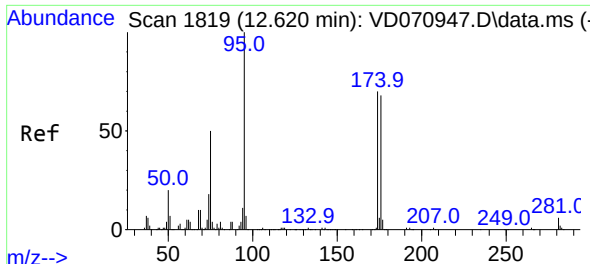
Tgt Ion: 98 Resp: 499827
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#59
2-Hexanone
Concen: 16.413 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
58 16.8 28.7 86.1#

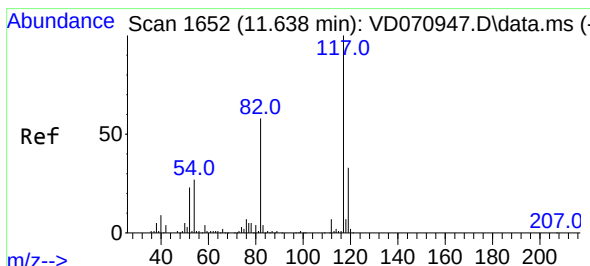
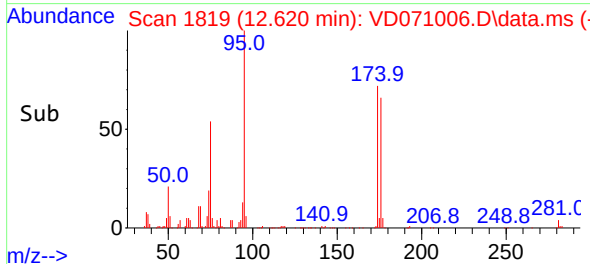
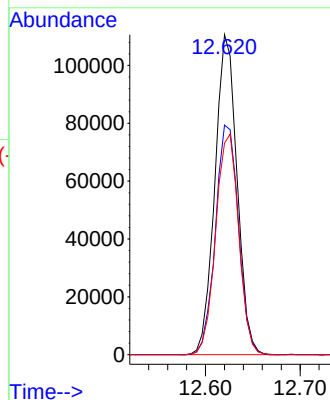
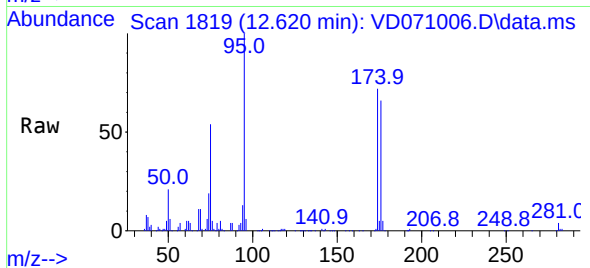




#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

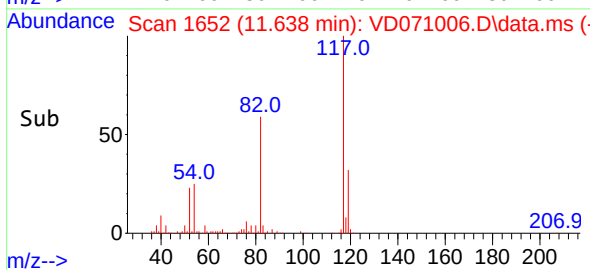
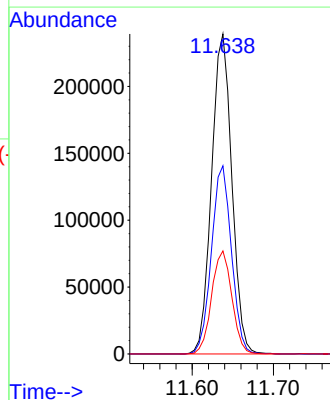
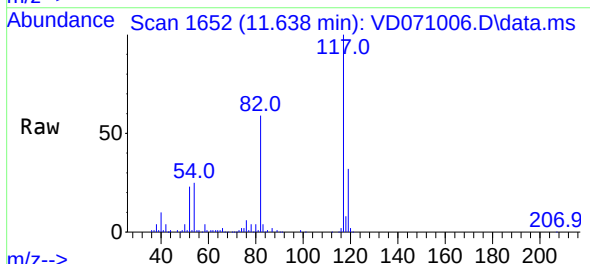
Instrument :
MSVOA_D
ClientSampleId :

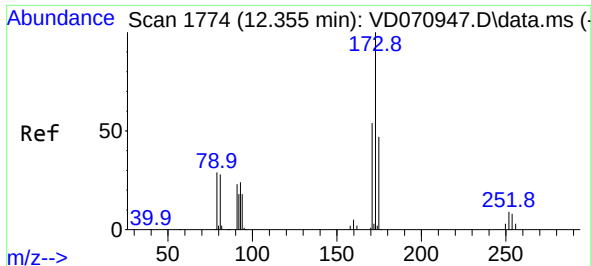
Tgt Ion: 95 Resp: 179813
Ion Ratio Lower Upper
95 100
174 74.8 0.0 159.4
176 71.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 117 Resp: 414475
Ion Ratio Lower Upper
117 100
82 58.8 44.7 67.1
119 32.2 26.2 39.4

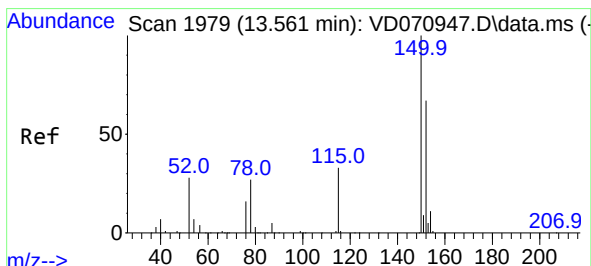
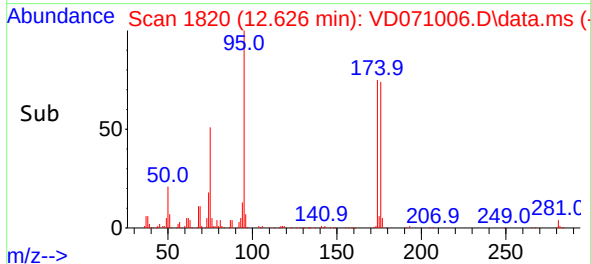
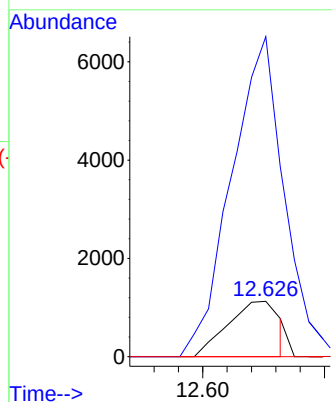
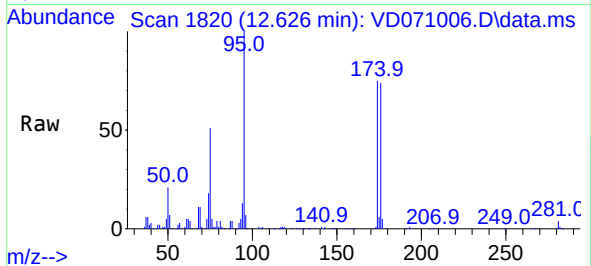




#71
Bromoform
Concen: 1.211 ug/l
RT: 12.626 min Scan# 1774
Delta R.T. 0.271 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

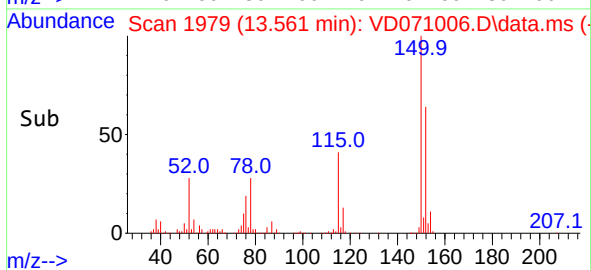
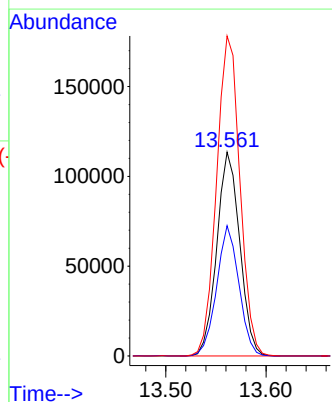
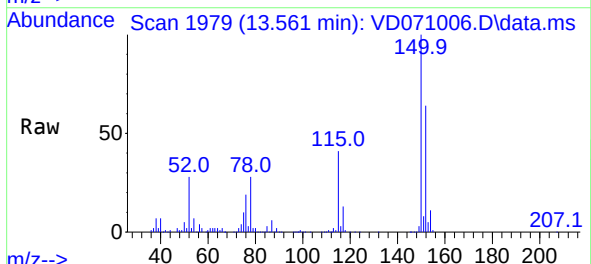
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:173 Resp: 1658
Ion Ratio Lower Upper
173 100
175 524.4 24.1 72.2#
254 0.0 0.1 0.1#

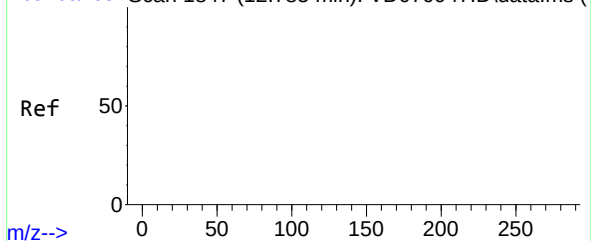


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

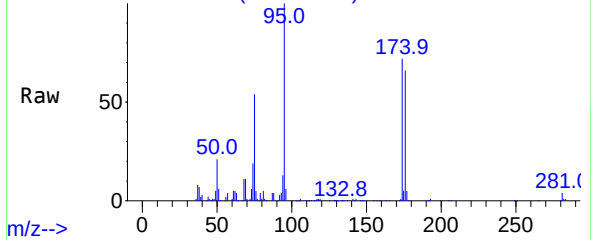
Tgt Ion:152 Resp: 180054
Ion Ratio Lower Upper
152 100
115 62.1 29.8 89.3
150 160.0 0.0 349.2



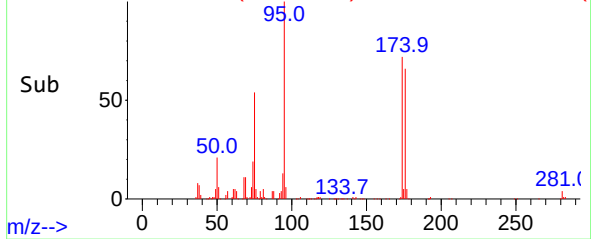
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



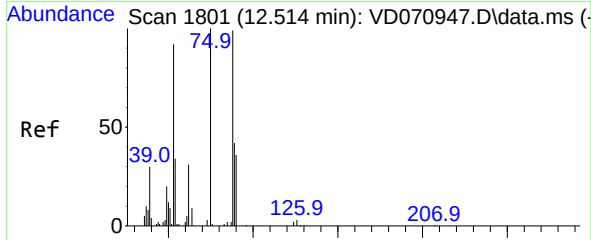
Ref 50



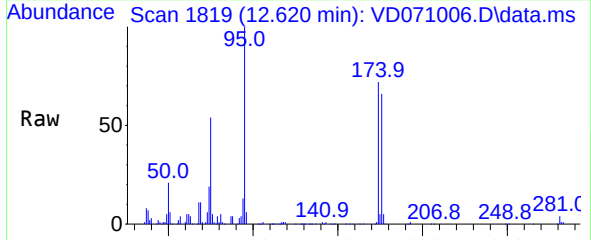
Raw 50



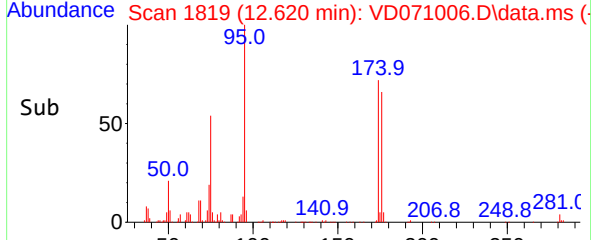
Sub 50



Ref 50



Raw 50

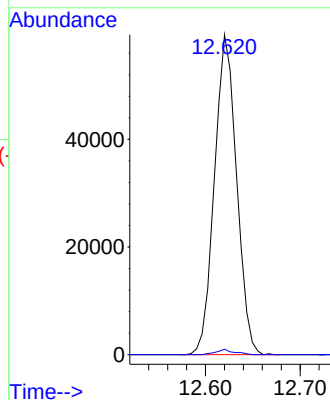


Sub 50

#76
1,2,3-Trichloropropane
Concen: 62.730 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 96480
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.084 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071006.D
Acq: 12 Nov 2021 01:51

Tgt Ion: 75 Resp: 96480
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

